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PERCENTAGE PROFIT LOSS
                                          L-UALL I APPRO
1) The profit obtained by selling an article
                                           39111054
 FOTRS-56 is the same as the loss obtained
 by salling it for RS.42 what is the cost price of the
a) RS.40 b) RS.50 00 RS.49 d) None of these
                       SP=56, RP=x in profit
PROFIT = SP - CP
PROFIT = 56-X RS
                        SP=42 CP=x in Losg
2085 = +CP-SP
LOSS = # X - 42
56-X = X-42
56 +42 = 2x
  98=2x
2) The c.p ob 21 articles is equal to s.p ob 18 articles. Find the gain
   X = 48
ad 10%. by 18 1/3 %. 19x 16 =13 %. d.) 20%.
Let us assume epob each article is IRS
 e.p of 21 article = 21RS
  e.P. 2981 = astricte = 18 RS
  5.Pob 18 articles - C.Pob 21 artecles
       18 profit of 18 exterior = Sp - CP = 21-18= 3RS.
            10088 Gain percene = 3 x 100 = 50 = 16 3
                  3/50
                        = (16 3
3) An article is sold at a cortain price. By selling it at =/3
of that price one losas love Find the gain percent at
an 15%. by 35%. cm 25%. dy 50%.
Let us Assume c.p = 100RS
LOSS = 104 = 10 ×100 = 10RS.
 S.P = 100-10=90RS.
s. Pot = of original price = 90x3 = 135Rs.
 PROFIT= 135-100= 35RS
    Gain percent = 35 x 196 = 357.
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H) A man bought a horbe and a carriage Parks. 3000
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He sold the horse se at a gain of 20-1, and a
                                                     39111054
Carriage at a loss of lov. , thereby gaining 2%.
                                                      19311355
on whole - Find cost of horse
d.) 5500 PI 1800 O 1500 Pi) 1000
Total = 3000
                                   +> 3000+60= 3060 RS.
127. -> 3000 x 2 = 1000
     207.1 = 120 €
 Carriage = 100 x
\frac{20}{100} \propto -\frac{10}{100} (3000-x) = 60
0-2 1c -0-1 (3000-x) = 60
200 - 0.2x - 300 + 0.1x = 60
       2x-3000 +1x=600
         3x = 3600
        x=1200
5) The price of a Jewell, passing through three hards, rises on
the whole by 65%. It the first and Second Sellers
carned 201 and 251 profit respectively, find the
 percentage of profit earned by third Seller
  1 \xrightarrow{207} 2 \xrightarrow{7} 3 \xrightarrow{7} 1 = 657 \cdot (31) \frac{165}{100}
                                                        9 muzza
           2->3 25
6-tag× 125
100
150 4
1->2
                             3->4
                                                        Initeal
                                                         price = 100
                                               (6) 10%.
                                                  b.) 227.
    150 + x = 165
                                                  C-1 18-1.
                                                  di) 124.
     xeds x=15 RS
   or in percentage = \frac{18}{180} \times 100 = 10\%
  (100+x)7- 861257. 86201. 20 P - 1651. 101P
    100 to x 125 x 120 xp = 165 xp
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10012 x 125x120x8-165 P
                                            MAGGAZJJAV.J
                                            39111054
 100+ x = 165x 100x 100
                                            195111355
            1254120
 100 + 20 = 110
 X=104.
6) At what percentage above the CP must an article be
 marked so as to gain 334. after allowing a discount of 51.
                   C1434. 1.1487.
 a) 38.1. VETHOY.
cost Price = 100
 marked price = x
  C-P + 334.00 C.P
   = 133_ 1.
 Coestomer show a discount of Sr.
 x - 51, xx = 133
  954. KX = 133
   95 VX = 133
   (00)
  x = 133 x LOO
       9519
   x= DHO
percentage above the C.P
 Marked price - CIP X100
        6.6
= 140-100 ×100
    100
5014 ON 2
  (00
 = (uot.
7) A Grocer purchased 80 kg of rice at RS 13.50 per kg. And
  mixed with 120 kg fice at B. 16 per kg, At what rate fer
Kg should be shall the of mixture to gain 167.
              6.7 RS - 20-5 19 RS-17.4 d.7 RS. 21-6.
a) RS. 1910
 80x13.50 = PS-1080
 120x 16 = RS- 1920
 Total cost = 1920 + 1080 = 3000 RS
  Total weight = 200 tg.
 8air = 167. Profit = 116 +3000 = 3480.
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 S.P PER E9 = 3489 = 17-40 RS.
                                                   39111054
8) on an article, the manufacturer gains 10%, 195111355
 the whole sale deleger, 15% and retailer 25%. 36 Retail
 price is 1265 - culat is cost of production
  125 m of 115 m of 1265
                                              @1 1000
  \frac{125}{100} \times \frac{115}{100} \times \frac{110}{100} \times x = 1265
x = \frac{558}{1265} \times \frac{24}{100} \times \frac{25}{100} \times 100
                                              608 rd
                                               0011 (00
                                               2.1 200
        125×113 × 140
      SE 81
   X= 1265 x 16 X10
                    x = 800 B
   x2363400
9.) A dealer professing to sell his goods at cost price, uses 9089m
 weight o for 1 kg. His gain percent is
 a) 134. b) 12 434. (c) (a) 107.
19=1RS Let US assume
 10009 = 1000RS Z P.P
  2900P = 200PS
 5-p of 9009 = 1000 RS.
  Profit = SP-C-P
         = 1000-900
    100 x 100 -= (11.114. (07) 11 /9
  beotif = 100 kz.
                9/100
10) A trader has soring of rice, a part of which he sells at 141.
   profit and rest at 61/1698. one culde this loss is 41, what is
the quantity & Sold at 14%. Profit and that a 64.1008.
                    b) to and horg alls and 35kg
pril 5 and 45 kg
     di) 20 and 30 kg.
                            2:18 =7 1:9
                            sox1 = skg -> brotit
 14%
                              50×9 = 45 kg -> 1053
       -4%
           1181-
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11) The cost price of two types of tea are R3.180 L.VALLIAPPAN

per Kg. and RS-200 per Kg. Respectively. on 39/11054

mixing them in ratio 5:3, the mixture is rold at 195/11355

RS. 210 per Kg. In whole Transaction, the gain percent is

a) 107. b) 11/1, gt 124. d.) 137.

5x 180 = 900 > 19E produce
3x 200 = 600 > 2nd produce

Total cost= 900+600 = 1500RS, -> C.P.
Total weight = 5+3 = 8K9

S.P= 2000 8 x210= 1680 RS.

Profit = 5.8-C.P

620-1200 = 1680-1200

Profit = 180 RS.

Profie 4. = 180 x180 = 127.

12.) A totader marks his product Hor. above its cost. He sells the Product on Credit and allows 10% trade discount. Inorder to ensure Prompt Payment, He further gives 10%. discount on the reduced price. It make a profit of RS.67 from the bransaction, then the cost price of product as a) RS. 300 b.) RS 400 c.) RS. 325 pt RS.500

Morrhood price = Hoy. A = THOX RS. = 0.40 RS. + IRS

= 1.40 RS.

SP = 1.4 x - (100) x1.4x = 1.4x - 0.14x = 1.26x RS.

further he gives for discount

18 x 1.26x = 0.126x RS.

Final ammount - 1.26x - 0.1262 = 1.134x

Profie = 0.134x -150 Profie = 0.134x

x = 500